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MONTANA OIL AND GAS STATISTICAL BULLETIN

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210 SECOND S. E.
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TED HAWLEY
CONRAD, MONTANA
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BOX 349
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BOX 277
POPLAR, MONTANA

OIL AND GAS CONSERVATION COMMISSION

SAVINGS BLDG.

HELENA, MONTANA

VOL. VIII, No. 12. THURBER'S HELENA December, 1960.

Production of crude oil and condensate from the oil and gas areas of Montana for the month of December, 1960, averaged 82,236 barrels daily, a decrease of 1,397 barrels from the average November production of 83,633.

The nine refineries in the State processed 62,110 barrels of crude oil daily for the month of December, 1960, a decrease of 11,501 barrels from the 73,611 barrels processed daily during the month of November, 1960.

During December, 35 wells were completed, 12 oil, 0 gas wells and 23 dry holes.

During December, the Commission issued 51 permits to drill new wells, an increase of 5 from the 46 permits issued during November.

SUMMARY OF CRUDE OIL PRODUCTION, REFINING, STORAGE, ETC., IN MONTANA

MONTH OF DECEMBER, 1960

IN STORAGE DECEMBER 1st:	
By Producers	354,543
By Transporters	558,121
By Refiners	515,857
TOTAL STORAGE	1,428,521
Produced in Montana During Month	2,549,318
Imported During Month	1,169,765
TOTALS	5,147,604
DISPOSITION:	
Refined in Montana	1,925,422
Exported	1,533,674
Used for Fuel or Lost	7,566
TOTAL	3,466,662
IN STORAGE DECEMBER 31st:	
By Producers	359,360
By Transporters	669,036
By Refiner	652,546
TOTAL STORAGE	1,680,942

NATURAL GAS WITHDRAWALS IN MONTANA

Month of December, 1960

Field	M Cu. Ft.
Bears Den	0
Big Coulee	114,840
Bowdoin	807,084
Bowes	132,257
Box Elder	23,140
Cabin Creek	91,712
Cedar Creek	798,027
Clarks Fork	15,461
Cut Bank (including Reagan)	1,646,908
Devon	0
Dry Creek	206,843
Elk Basin	71,156
Flat Coulee	15,766
Golden Dome	96
Grandview	0
Hardin	4,385
Keith Block	343,897
Kevin Sunburst	118,888
Pine	67,347
Plevna	15,417
Utopia	98,393
Whitlash	94,129
Miscellaneous	58,813
TOTAL	4,724,559

Total Withdrawals for December, 1959 were 3,353,598 M Cu. Ft.

PRODUCER'S REPORT
MONTH OF DECEMBER, 1960

Leases	Field	No. of Wells	Storage 1st of Month	Oil Produced	Oil Shipped By		Used or Lost	Storage End of Month
					Pipeline	Truck		
1	Ash Creek	4	542	2,513		2,618		437
4	Bannatyne	9	1,067	1,808		1,855		1,020
1	Belfry	1	116	1,604		1,335		385
11	Big Wall	25	2,667	19,865		19,579		2,953
11	Blackfoot	16	3,216	11,179		9,552	(6)	4,849
23	Bowes	78	4,256	21,339	20,343			5,252
	Bredette		1,113					1,113
2	Bredette, North	2	1,305	1,340	1,457			1,188
4	Brorson	4	6,082	3,502	4,604			4,980
2	Cabin Creek	104	6,671	374,832	374,771			6,732
24	Cat Creek	96	4,142	20,201	16,969	2,833	75	4,466
	Clark's Fork		183					183
2	Clark's Fork, North	3	2,524	3,693		2,968		3,249
1	Cupton	2	953	1,563	293			2,223
365	Cut Bank	1,114	121,493	183,047	181,010		275	123,255
3	Deer Creek	6	2,209	9,366	9,197			2,378
2	Delphia	2	847	2,182		2,070		959
	Devil's Basin		889					889
4	Dry Creek	4	1,277	2,874	2,900			1,251
4	Dwyer	4	2,507	11,793		11,007	7	3,286
7	Elk Basin	55	3,522	231,583	232,447			2,658
	Fertile Prairie		1,039					1,039
2	Frannie	2	602	1,726	1,916			412
2	Gage	2	855	992		1,220	(47)	674
4	Gas City	10	3,337	17,103	15,308			5,132
6	Glendive	11	6,046	37,027	37,414			5,659
4	Gypsy Basin	4	1,186	740	722			1,204
10	Ivanhoe	22	6,783	46,430	10,079	36,435	2	6,697
4	Keg Coulee	6	3,099	60,645	17,586	40,937	318	4,903
196	Kevin-Sunburst	1,193	16,627	61,902	60,584		195	17,750
1	Little Beaver	15	3,405	31,729	32,257			2,877
4	Little Beaver, East	11	2,868	17,696	17,773			2,791
3	Melstone	8	1,917	3,049		2,307	61	2,598
5	Monarch	13	4,411	33,925	35,566			2,770
3	Mosser	5	271	500		500		271
7	Outlook	11	7,472	52,834	54,763			5,543
3	Outlook, South	3	2,382	4,080	4,565			1,897
10	Pennel	20	6,150	55,909	57,048			5,011
4	Pine	143	13,331	409,914	407,536			15,709
82	Pondera	326	7,811	43,956	43,790		58	7,919
7	Poplar, East	93	20,352	236,823	239,902		11	17,262
3	Poplar, Northwest	4	1,049	1,956	1,627			1,378
4	Ragged Point	10	3,068	11,410		11,155		3,323
4	Reagan	50	3,069	15,542	15,517			3,094
9	Red Creek	15	3,379	27,199		27,461		3,117
1	Redstone	1	913	1,212	1,485			640
1	Repeat	1	722	2,338	2,715			345
6	Richey	12	6,553	14,524	16,942			4,135
2	Richey, Southwest	2	2,089	5,406	5,648			1,847
2	Roosevelt County	2	300	19,485	17,208		157	2,420
1	Rosebud County	1	865	4,240		4,214		891
5	Sand Creek	6	5,555	18,413	18,485			5,483
2	Snyder	4	447	1,771		1,290		928
4	Soap Creek	17	3,127	5,085		4,880		3,332
9	Stensvad	24	10,410	130,520	130,371		678	9,881
9	Stillwater County	1	653	723	955			421
27	Sumatra	88	18,718	197,031	189,112	7,331	42	19,264
4	Sweetgrass Hills	4	787	4,583		3,989		1,381
2	Whitlash	2	5,573	903		903		5,573
9	Wills Creek	15	4,194	37,934	37,234			4,894
10	Wolf Springs	19	4,414	25,749	26,253			3,910
2	Woodrow	2	1,133	2,030	1,884			1,279
936		3,707	354,543	2,549,318	2,346,236	196,439	1,826	359,360

Total Oil Produced and Shipped from Lease	Bbls. Produced	Daily Average	Bbls. Shipped	Daily Average
Year, 1959	29,857,226	81,800	29,815,632	81,686
First Quarter, 1960	7,565,291	83,135	7,540,471	82,862
Second Quarter, 1960	7,277,871	79,976	7,265,563	79,841
Third Quarter, 1960	7,739,553	84,126	7,760,515	84,353
October, 1960	2,598,889	83,835	2,584,832	83,382
November, 1960	2,508,993	83,633	2,519,303	83,976
December, 1960	2,549,318	82,236	2,542,675	82,021

Oil in Storage	In Producers Field Tank	In Transporters Storage	In Refiners Storage*	Total Oil in Storage*
December, 1959	362,849	645,661	619,430	1,627,940
March, 1960	384,565	613,000	620,075	1,617,640
June, 1960	386,082	646,801	795,779	1,828,662
September, 1960	354,020	539,927	596,757	1,490,704
October, 1960	367,605	553,484	751,041	1,672,130
November, 1960	354,543	558,121	515,857	1,428,521
December, 1960	359,360	669,036	652,546	1,680,942

*Includes Wyoming Oil

TRANSPORTERS REPORT
MONTH OF NOVEMBER, 1960

	Storage First of Month	OIL RECEIVED BY			Loss or Gain	OIL SHIPPED TO			Storage End of Month
		Pipeline	Truck	Connecting Carrier		Montana	Other States	Connecting Carrier	
ASH CREEK—Truck			2,618				2,618		
BANNATYNE—Truck			1,855			1,855			
BELFRY—Truck			1,335				1,335		
BIG WALL—Truck			19,579			19,579			
BLACKFOOT—Union Oil Co.			9,552			9,552			
BOWES—									
Trigood Oil Co.	2,645	2,945			280	2,942			2,368
Texaco, Inc.		17,398				17,398			
	2,645	20,343			280	20,340			2,368
BRORSON—Sun Oil Co.		4,604					4,604		
CABIN CREEK & OTHERS*									
Butte Pipe Line Co.	317,840	931,709		509,313			1,423,320		335,542
Shell Pipe Line Corp.	1,614	159,559			(459)			156,277	5,355
	319,454	1,091,268		509,313	(459)		1,423,320	156,277	340,897
CAT CREEK—									
Continental Pipe Line Co.	7,268	16,969			127	16,907			7,203
Truck			2,833			2,833			
	7,268	16,969	2,833		127	19,740			7,203
CLARK'S FORK—Truck			2,968				2,968		
CUT BANK—									
Big West Oil Co.				18,322		18,322			
Darling Gathering System, Inc.	3,657	7,096			1,182			5,501	4,070
Phillips Petroleum Co.	48,315	61,708		21,355	1,265	63,319			66,794
Texas Pipe Line Co.	21,395	28,692		14,755	282			30,864	33,696
Toronto Pipe Line Co.	25,108	42,300			(247)			45,202	22,453
Union Oil Co.	51,757	60,730		16,331	(1,973)	39,341			91,450
	150,232	200,526		70,763	509	120,982		81,567	218,463
DELPHIA—Truck			2,070			2,070			
DRY CREEK—									
Marathon Pipe Line Co.	7,609	2,900			96			3,301	7,112
DWYER—Truck			11,007				11,007		
ELK BASIN—Ohio Oil Co.		232,447					232,447		
FRANNIE—Ohio Oil Co.		1,916					1,916		
GAGE—Truck			1,220			1,220			
GLENDIVE, DEER CREEK, WOODROW & SAND CREEK—									
The Texas Pipe Line Co.	2,967	66,981			(167)		49,358	16,826	3,431
IVANHOE—									
Crude Oil Pipeline, Inc.		10,079					10,079		
Truck			36,435				36,435		
		10,079	36,435				46,514		
KEG COULEE—									
Crude Oil Pipeline, Inc.		41,187					41,187		
Truck			40,937				40,937		
		41,187	40,937				82,124		
KEVIN-SUNBURST—									
Big West Oil Co.	2,071	37,953				37,933			2,091
Homestake Oil & Gas Co.	168	3,252		6,511	554	7,272			2,105
The Texas Pipe Line Co.	4,077	29,668			399	29,269			4,077
	6,316	70,873		6,511	953	74,474			8,273
MELSTONE—Truck			2,307			2,307			
MOSSER—Truck			500				500		
PONDERA—Phillips Petr. Co.	15,978	46,374			693	41,873			19,786
POPLAR, BREDETTE, OUTLOOK, SOUTH OUTLOOK, REDSTONE, RICHEY & UNNAMED ROOSEVELT COUNTY—									
East Poplar Gathering System	7,567	333,506			2,366			328,616†	10,091
RAGGED POINT—Truck			11,155			11,155			
REAGAN—Union Oil Co.		15,517				15,517			
RED CREEK—Truck			27,461			4,492	22,969		
SNYDER—Truck			1,290				1,290		
SOAP CREEK—Truck			4,880				4,880		
SUMATRA AND STENSVAD—									
Crude Oil Pipeline, Inc.	29,000	319,483			(853)	270,250	35,571		43,515
Truck			7,331			7,331			
	29,000	319,483	7,331		(853)	277,581	35,571		43,515
SWEETGRASS HILLS—Truck			3,989			3,989			
WHITLASH—									
Homestake Oil & Gas Co.	386								386
Western Natural Gas Co.	188								188
Truck			903			903			
	574		903			903			574
WOLF SPRINGS—									
Crude Oil Pipeline, Inc.	8,511	26,202			1,524	25,866			7,323
UNNAMED—Rosebud Cty., Truck			4,214				4,214		
TOTALS	558,121	2,501,175	196,439	586,587	5,069	653,495	1,928,135	586,587	669,036

*Cabin Creek, Cupton, Fertile Prairie, Gas City, Little Beaver, East Little Beaver, Monarch, Pennel, Pine, Repeat, Richey, Southwest Richey and Wills Creek Fields. †Transferred to Butte Pipe Line Co.

BARRELS OF CRUDE OIL REFINED IN MONTANA
MONTH OF DECEMBER, 1960

Field	Big West Oil Co.	Continental Oil Co.	Diamond Asphalt Co.	Farmers Union	Humble Oil & Ref. Co.	Jet Fuel Refinery	Phillips Petr. Co.	Texaco Inc.	Union Oil Co.	Total
Blackfoot									8,916	8,916
Bowes			18,773							18,773
Cat Creek		14,493		1,720		2,843				19,056
Cut Bank	23,624						62,692	25	49,033	135,374
Delphia						1,227				1,227
Dry Creek				2,432						2,432
Elk Basin		52,081			116,368					168,449
Gage						371				371
Ivanhoe						3,010				3,010
Keg Coulee						909				909
Kevin-Sunburst	35,560							21		35,581
Melstone				9,944						9,944
Pondera							41,336			41,336
Reagan									247	247
Red Creek									4,492	4,492
Sumatra		411		101,104	131,153	2,883				235,551
Whitlash									730	730
Wolf Springs					69,259					69,259
Total Montana Oil	59,184	66,985	18,773	115,200	316,780	11,243	104,022	46	63,418	755,657
Canadian Oil Imported									3,265	3,265
Wyoming Oil Imported		343,597		306,336	516,567					1,166,500
TOTAL Mont., Canadian & Wyoming Oil	59,184	410,582	18,773	421,536	833,347	11,243	104,028	46	66,683	1,925,422

AVERAGE BARRELS PER DAY

	Montana	Canada	Wyoming	TOTAL
Year, 1959	29,898	11	41,483	71,392
December, 1959	28,731	21	46,571	75,323
December, 1960	24,376	105	37,629	62,110

PERCENTAGE OF CRUDE OIL REFINED

Montana	Canada	Wyoming
41.87%	.03%	58.10%
38.14%	.04%	61.82%
39.24%	.18%	60.58%